

Converting Colors

$Y_{xy}(45.7396, 0.3751, 0.2803)$

Have a look what the booklet for
Yxy(45.7396, 0.3751, 0.2803)
contains.

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Color

Yxy(45.6680, 0.3754, 0.2804)

Conversions

Conversions Part 1

Format	Color
Hex	FF92C1
RGB	255, 146, 193
RGB Percent	100%, 57%, 76%
CMY	0.0001, 0.4274, 0.2430
CMYK	0.00, 0.43, 0.24, 0.00
HSL	334°, 100%, 79%
HSV	334°, 43%, 100%
XYZ	61.1404, 45.6680, 56.0589
YIQ	183.9490, 49.8770, 37.7250

Conversions

Conversions Part 2

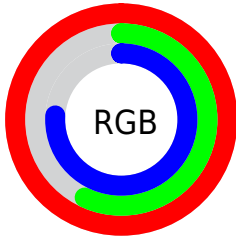
Format	Color
R_{YB}	255, 146, 193
Decimal	16749249
CIE _{Lab}	73.33, 46.58, -6.28
CIE _{LCh}	73, 46.999, 352.321
Yxy	45.6680, 0.3754, 0.2804
Android (android.graphics.Color)	4294939329 (0xFFFF92C1)
YUV	183.9490, 4.4621, 62.3117
Hunter-Lab	67.5781, 43.2338, -1.8789

Details

The Yxy color **45.6680, 0.3754, 0.2804** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.1706, 0.2762, 0.3848**, and the grayscale version is **47.8602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3406, 0.3194, 0.2827**, and **21.2835, 0.3922, 0.2665** is the 20% darker color. If you saturate the color by 10%, you get **38.0496, 0.3981, 0.2700**, and if you desaturate by 10%, it is **55.1071, 0.3561, 0.2919**.

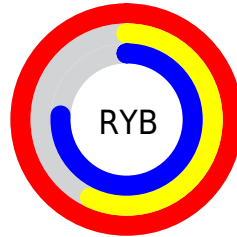
Distribution



Red (100%)

Green (57%)

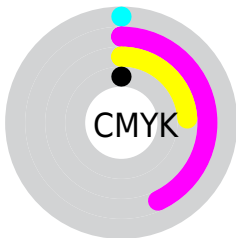
Blue (76%)



Red (100%)

Yellow (57%)

Blue (76%)

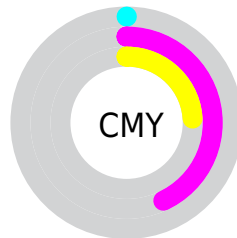


Cyan (0%)

Magenta (43%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6680, 0.3754, 0.2804 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.6680, 0.3754, 0.2804 by changing the saturation by 10% instead.

 45.6680, 0.3754,
0.2804


 45.6680, 0.3754,
0.2804


369.4723, 0.3444,
0.3040

 31.9839, 0.3830,
0.2747


 83.7219, 0.3642,
0.2888

 21.3492, 0.3927,
0.2676

 108.8605, 0.3600,
0.2920

 13.3795, 0.4055,
0.2583


138.5861, 0.3564,
0.2948

 7.6904, 0.4231,
0.2457

173.2830, 0.3533,
0.2971

 3.8975, 0.4486,
0.2278

213.3357, 0.3507,
0.2992

 1.6164, 0.4888,
0.2007

259.1286, 0.3483,

 0.3686, 0.5795,

0.3010

0.1282

311.0460, 0.3462,
0.3026

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.6680, 0.3754,
0.2804

45.6680, 0.3754,
0.2804

38.0496, 0.3981,
0.2700

55.1071, 0.3561,
0.2919

32.1255, 0.4239,
0.2617

66.4690, 0.3398,
0.3037

27.7637, 0.4521,
0.2569

79.8561, 0.3264,
0.3152

24.8093, 0.4815,
0.2568

95.3615, 0.3154,
0.3261

■ 23.0748, 0.5101,
0.2623

99.9957, 0.3127,
0.3290

■ 22.3816, 0.5295,
0.2691

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.6680, 0.3078, 0.2456



45.6680, 0.3754, 0.2804



45.6680, 0.4278, 0.3265

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.6680, 0.3754, 0.2804



45.6680, 0.3702, 0.4491



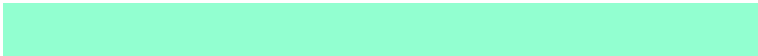
45.6680, 0.1963, 0.2606

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



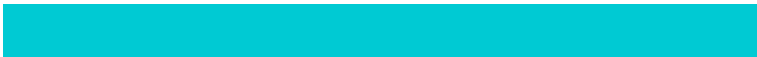
45.6680, 0.3754, 0.2804



82.1706, 0.2762, 0.3848

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.6680, 0.2089, 0.3148



45.6680, 0.3754, 0.2804



45.6680, 0.3064, 0.4373

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.6680, 0.3754, 0.2804



45.6680, 0.4215, 0.4224



45.6680, 0.2477, 0.3836



45.6680, 0.2099, 0.2320

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.6680, 0.3754, 0.2804



45.6680, 0.4434, 0.3600



45.6680, 0.2477, 0.3836



45.6680, 0.1975, 0.2760

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.6702, 0.3754, 0.2804



79.4879, 0.3267, 0.3149



41.1570, 0.2782, 0.2110



16.3454, 0.3295, 0.3124



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.6702, 0.3754, 0.2804



39.2531, 0.3939, 0.2717



46.2062, 0.4219, 0.3369



18.1172, 0.3226, 0.3188



11.7258, 0.5254, 0.2668



1.1631, 0.4965, 0.2509

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.6702, 0.3754, 0.2804



39.2531, 0.3939, 0.2717



80.2897, 0.2531, 0.3206



18.1172, 0.3226, 0.3188



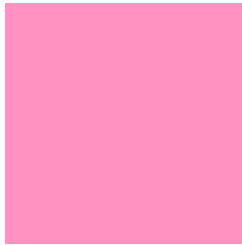
11.7258, 0.5254, 0.2668



1.1631, 0.4965, 0.2509

Previews

White Background



This preview shows how the Yxy color 45.6680, 0.3754, 0.2804 looks on a white background.

Color Contrast Check

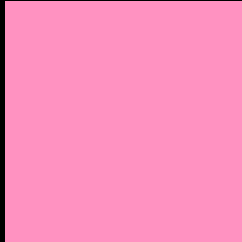
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.6680, 0.3754, 0.2804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

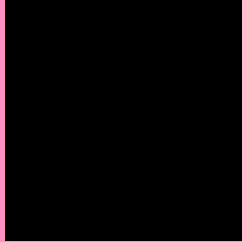
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6680, 0.3754, 0.2804

Background



This preview shows how black text looks on a background with the Yxy color 45.6680, 0.3754, 0.2804.



This preview shows how white text looks on a background with the Yxy color 45.6680, 0.3754, 0.2804.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.6680, 0.3754, 0.2804

Protanopia

45.9795, 0.2816, 0.2846

Deuteranopia

45.8929, 0.3196, 0.3127



Tritanopia

45.7963, 0.4021, 0.3176

Trichromacy



Original Color

45.6680, 0.3754, 0.2804



Protanomaly

44.7902, 0.3123, 0.2820



Deuteranomaly

45.0203, 0.3392, 0.2983



Tritanomaly

45.7513, 0.3922, 0.3039

Monochromacy



Original Color

45.6680, 0.3754, 0.2804



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

46.0389, 0.3345, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6680, 0.3754, 0.2804 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 146, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 193)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 146, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 193) }
```

Border

The CSS property to change the border of an element to Yxy 45.6680, 0.3754, 0.2804 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 146, 193) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 146, 193) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 146, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6680, 0.3754, 0.2804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 193) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
146, 193) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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